

BRADY B-471 BRADYMIGHT PVC SIGNS

TDS No. B-471
Effective Date: 11/06/2017

Description:

Brady B-471 BradyMight™ PVC is a lightweight, surface printed durable sign material that is good for outdoor applications.

Details:

Use:

Brady B-471 BradyMight™ PVC signs are designed for use in industrial, utility, commercial, and institutional environments. Common uses include safety signs, utility signs, information signs, and equipment warning signs. The sign construction is recommended for both indoor and outdoor use.

Substrate Type:

Expanded PVC

Standard Material Colors:

White, yellow, orange, green, red and blue

Standard Legend Colors:

Black, white, red, green, orange and blue

Thickness (ASTM D 1593):

0.120 in. (3 mm)

Abrasion Resistance (Method 5306 of U.S. Federal Test Method Std. No. 191A):

CS-10 wheels, 250 g weights
Legend withstands up to 150 cycles

Gloss (ASTM D523):

60°-92 Gardner Units

Service Temperature:

-40°F to 140°F (-40°C to 60°C)

Average Outdoor Durability:

3-5 years (Average expected outdoor life of product will depend on user definition of failure and climatic conditions)

Chemical Resistance:

| REAGENT | 7 DAY IMMERSION | DIP TEST | RUB TEST |
|------------------------|-----------------|----------|----------|
| 30% Sulfuric Acid | NE | NE | NE |
| 10% Sulfuric Acid | F | NE | NE |
| 30% Hydrochloric Acid | NE | NE | NE |
| 10% Hydrochloric Acid | NE | NE | NE |
| Glacial Acetic Acid | F | F | F |
| 5% Acetic Acid | NE | NE | NE |
| 50% Sodium Hydroxide | NE | NE | NE |
| 10% Sodium Hydroxide | NE | NE | NE |
| 10% Ammonia | NE | NE | NE |
| 5% Sodium Hypochlorite | NE | NE | NE |
| Methyl Ethyl Ketone | F | F | F |
| Acetone | F | F | F |
| Toluene | F | F | F |
| 1,1,1-Trichloroethane | F | F | NE |
| Methanol | F | F | NE |

| | | | |
|---------------------|----|----|----|
| Isopropyl Alcohol | F | F | NE |
| Heptane | NE | NE | NE |
| Mineral Spirits | NE | NE | NE |
| Turpentine | F | NE | NE |
| Kerosene | NE | NE | NE |
| Diesel Fuel | F | NE | NE |
| Gasoline | F | F | NE |
| ASTM #3 Oil | NE | NE | NE |
| SAE 20 Oil | NE | NE | NE |
| 10% Sodium Chloride | NE | NE | NE |
| Alconox® | NE | NE | NE |
| Water | NE | NE | NE |

NE = No Effect

F = Failed (affected Sample)

7 Day Immersion: Immersed in reagent for 7 days.

Dip Test: Five 10 minute dips in reagent with 30 minute recovery.

Rub Test: Rubbed sample for 1 minute with swab soaked in reagent.

Shelf Life:

Unlimited when stored at 70°F (21°C) and 40% to 50% R.H.

Trademarks:

Alconox® is a registered trademark of Alconox Co.

BradyMight™ is a trademark of Brady Worldwide, Inc.

Signmark® is a registered trademark of Brady Worldwide, Inc.

ASTM: American Society for Testing and Materials (U.S.A.)

Fed. Spec.: United States Federal Specification (U.S.A.)

PSTC: Pressure Sensitive Tape Council (U.S.A.)

SAE: Society of Automotive Engineers (U.S.A.)

Note: All values shown are averages and should not be used for specification purposes.

Test data and test results contained in this document are for general information only and shall not be relied upon by Brady customers for designs and specifications, or be relied on as meeting specified performance criteria. Customers desiring to develop specifications or performance criteria for specific product applications should contact Brady for further information.

Product compliance information is based upon information provided by suppliers of the raw materials used by Brady to manufacture this product or based on results of testing using recognized analytical methods performed by a third party, independent laboratory. As such, Brady makes no independent representations or warranties, express or implied, and assumes no liability in connection with the use of this information.

WARRANTY

Brady products are sold with the understanding that the buyers will test them in actual use and determine for themselves their adaptability to their intended uses. Brady warrants to the buyers that its products are free from defects in material and workmanship, but limits its obligation under this warranty to replacement of the product shown to Brady's satisfaction to have been defective at the time Brady sold it. This warranty does not extend to any persons obtaining the product from the buyers. This warranty is in lieu of any other warranty, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose, and of any other obligations or liability on Brady's part. Under no circumstances will Brady be liable for any loss, damage, expense, or consequential damages of any kind arising in connection with the use, or inability to use, Brady's products.

Copyright 2017 Brady Worldwide, Inc. | All Rights Reserved
Material may not be reproduced or distributed in any form without written permission.